Attorney's Docket No.: 13452-002001 Client's Ref. No.: PH-709US

OFFICIAL COMMUNICATION

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EXAMINER BETTY J. FORMAN, PH.D.

GROUP 1655 FAX NO: 703 308-4242

Number of pages including this page

Applicant: Ito et al.

Art Unit : 1655

Serial No.: 09/451,666

Examiner: Betty J. Forman, Ph.D.

Filed: November 30, 1999

FACSIMILE COMMUNICATION

Title :

: METHODS FOR PRODUCING BIOCHIPS (amended)

Commissioner for Patents Washington, D.C. 20231

Sir:

Attached to this facsimile communication cover sheet is a copy of an Information Disclosure Statement (without references) filed with the USPTO on August 28, 2000 faxed this 7th day of November, 2002, to Group 1655, the United States Patent and Trademark Office.

Respectfully submitted,

Date: November 7, 2002

Reg. No. 38,440

Fish & Richardson P.C. 4350 La Jolla Village Drive, Suite 500 San Diego, California 92122 Telephone: (858) 678-5070

Fax: (858) 678-5099

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FISH & RICHARDSON P.C. LA JOLLA, CA

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Attor : S Docket No.: 07898-051001 Client Ref. No.: PH-709US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ito et al.

Art Unit : 1655

Serial No.: 09/451,666

Examiner: B. Forman

Filed Title

: November 30, 1999

: BIOCHIP AND METHOD FOR PRODUCING THE SAME

Commissioner for Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Submitted herewith is an English translation of the following foreign language references, or portions thereof:

Desig. ID	Source	
AL	DE 2852886	

This Statement is being filed after a first Office Action on the merits, but before receipt of a final Office Action or a Notice of Allowance. I, the undersigned, hereby certify that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated June 20, 2000, which is not more than three months prior to the filing of this Statement.

Applicants do not believe that any fees are due with this Statement. If, however, it is determined that fees are owed, please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Robert M. Bedgood, Ph.D.

Reg. No. 43,488

Fish & Richardson P.C.

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San Diego, CA 92122

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> I hereby certify under 3ZCFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07898-051001	Application No. 09/451,666
by A	closure Statement oplicant	Applicant Ito et al.	
(Use several st	neets if necessary)	Filing Date November 30, 1999	Group Art Unit 1655

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	AO	WO 99 04896	Feb. 4, 1999	PCT				
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	AR	WO 97 43447	Nov. 20, 1997	PCT ·				

	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig.	Document
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^{*} This reference is written in German; an English translation of the claims is submitted herewith.

	Examiner Signature	Date Considered
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1	EXAMINER: Initials citation considered. Draw line through citation if no	ot in conformance and not considered. Include copy of this form with
l	next communication to applicant.	



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Europäisches Patentamt

Zweigstelle in Den Haag Recherchenabteilung Europe

Branch at The Hague Search Office européen des brevets

Département à La Haye Division de la recherche

Liesegang, Roland, Dr.-Ing. FORRESTER & BOEHMERT Franz-Joseph-Strasse 38 80801 München ALLEMAGNE

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Zeichen/Ref/Ref. FB 8785	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 99123786.8
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Hitachi Software Engineerin	ng Co., Ltd.

COMMUNICATION

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X	the European search report						
	the declaration under Rule 45 EPC						
	the partial European search report ur	nder Rule 45 EPC					
	the supplementary European search	report concerning the international application und	ter Article 157(2) EPC				
	relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed.						
The following	ng specifications given by the applicant	have been approved by the Search Division :					
	Abstract] Titt⊛	Figure "				
	The abstract was modified by the Sear	rch Division and the definitive text is attached to thi	s communication.				
	The following figure will be published w	with the abstract, since the Search Division conside	ers that it better characterises				
	the invention than the one indicated by	the applicant.	\wedge				
	Figure;						
Ø	Additional copy(copies) of the docume	nts cited in the European search report.					
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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the retund of the search fee will be sent later.

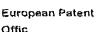
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EUROPEAN SEARCH REPORT

Application Number EP 99 12 3786

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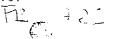
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E	WO 00 01798 A (CART 13 January 2000 (20 * claims 1-12 * * figure 1 * * page 3, line 19 ~ * page 5, line 5 ~	line 28 *	C) 8-1	2	
P,X	(US); MOYNIHAN KRIS 4 February 1999 (19 * figures 2A,,2B,,4 * page 6, line 11 - * page 9, line 3 -	A,4B * line 20 *	NC 8-1	.2	¥
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χ	CHA) 14 May 1998 (2 * claims * * page 5, line 1 - * page 13, line 14	JENOM INC (US); CANTOR 1998-05-14) line 12 *	8-12	
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LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 99 12 3786

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-7

Biochip comprising an array of probes spotted onto a surface wherein the binding agent used to bind the probe is only spotted at the same locations on the surface as the probes. Methods for making said biochip.

2. Claims: 8-12

Pin having a recessed end, said recess taking the form of a concave shape, groove or radially shaped groove. Method of making biochip using said pin.

Office







Application Number

EP 99 12 3786

The pre-	sent European patent application comprised at the time of filing more than ten claims.
	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK	OF UNITY OF INVENTION
	arch Division considers that the present European patent application does not comply with the nents of unity of invention and relates to several inventions or groups of inventions, namely:
see	e sheet 8
ľ⊽⊡	All further search fees have been paid within the fixed time limit. The present European search report ha
ئا	been drawn up for all claims.
	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
	None of the lurther search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 12 3786

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

31-05-2000

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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31-05-2000

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